

Title (en)
Steering wheel and method for manufacturing same

Title (de)
Lenkrad und sein Herstellungsverfahren

Title (fr)
Volant de direction et procédé pour sa fabrication

Publication
EP 1046566 A3 20021113 (EN)

Application
EP 00301594 A 20000229

Priority
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Abstract (en)
[origin: EP1046566A2] A steering wheel (1) capable of giving the impression that it is formed thereon with a woodgrain pattern in a manner to extend in a circumferential direction thereof, resulting in the steering wheel having both an appearance and feel of wood which is substantially equal to that of natural wood. The steering wheel (1) includes a rim section (4) having a core (44) incorporated therein. The rim section (4) is constituted by rim elements (A2) made of a thermosoftening synthetic resin material to which woodmeal is added, resulting in the rim section (4) being formed thereon with a flow pattern. The rim elements (A2) are each re-shaped from a straight rod-like configuration into an arcuate configuration in conformity to a curvature of the core (44) and mounted on the core (44), so that the flow pattern may be transformed into an annular flow pattern.
<IMAGE>
[origin: EP1046566A2] The wheel (1) includes a rim section (4) having a core (44), with the rim section having rim elements (A2) made of a thermosoftening synthetic resin material to which woodmeal is added, resulting in the rim section being formed on it with a flow pattern. The rim elements are each re-shaped from a straight rod-like configuration into an arcuate configuration in conformity to a curvature of the core and mounted on the core, so that the flow pattern may be transformed into an annular flow pattern.

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• [XA] FR 2738768 A1 19970321 - PEYTRAL GINA [FR]
• [A] DE 29810792 U1 19980813 - R D I DEUTSCHLAND AUTOTEILE & [DE]
• [A] US 1840634 A 19320112 - NELLIS CARL P
• [DA] PATENT ABSTRACTS OF JAPAN vol. 1995, no. 08 29 September 1995 (1995-09-29)

Cited by
KR100545513B1; EP2030866A4; EP2258603A1; CN102448793A; WO2010139927A1; JP2009533274A

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